

Paper Session T – A III: Energy Management and Demand Response: Thursday, September 6th, 2018

When: 3:00 pm-5:40 pm

Where: Ballroom C2

Chair: Maria Navarro-Caceres, University of Salamanca, Spain

Co-Chair: Pedro Faria, Polytechnic Institute of Porto, Portugal

[1] 3.00 pm – 3.20 pm: HEMS Operation via MILP

Maad AlOwaifeer, Abdullah Alamri, A.P. Sakis Meliopoulos (Georgia Institute of Technology, USA)

[2] 3.20 pm – 3.40 pm: Load Monitoring for Benefit Assessment

Samira Ortiz, Marcel Castro-Sitiriche, Mandoye Ndoye (University of Puerto Rico, Puerto Rico, Tuskegee University, USA)

[3] 3.40 pm – 4.00 pm: Priority-Based Energy Management Optimization in Smart Community

Bo Lin, Shuhui Li, Yixiang Gao (University of Alabama, USA)

[4] 4.00 pm – 4.20 pm: Multi-Objective Optimization in Smart Grids

Dan A. Rosa de Jesus, Wilson Rivera (University of Puerto Rico, Puerto Rico)

[5] 4.20 pm – 4.40 pm: Lighting Consumption Optimization in an Office Building for Demand Response Participation

Mahsa Khorram, Pedro Faria, Omid Abrishambaf, Zita Vale (Polytechnic Institute of Porto, Portugal)

[6] 4.40 pm – 5.00 pm: Participation of a Smart Community of Consumers in Demand Response Programs

Omid Abrishambaf, Pedro Faria, Zita Vale (Polytechnic Institute of Porto, Portugal)

[7] 5.00 pm – 5.20 pm: A Study on Demand Response Potential of a Residential Area Using Census Data

Pramod Herath, Ganesh K. Venayagamoorthy (Clemson University, USA)

[8] 5.20 pm – 5.40 pm: Real-time Demand Response and Intelligent Direct Load Control

Maria Navarro-Caceres, Juan M Corchado (University of Salamanca, Spain)